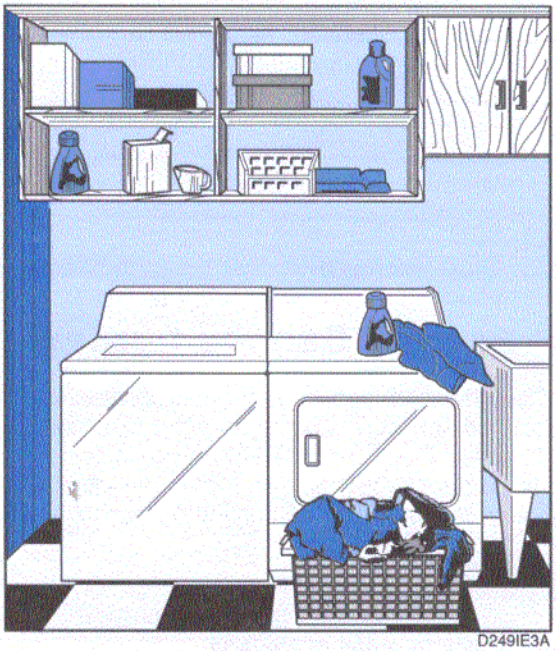
Amana

A Raytheon Company

Use and Care Guide
Home Laundry Automatic Washer



D249IE3A

Models:
LW9203W/L2

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE. (If the washer changes ownership, be sure this manual accompanies the washer.)

Part No. 36721R3
1/97

How To Use Your Washer . . .

Operation Instructions

⚠ WARNING

To reduce the risk of fire, electric shock, serious injury or death to persons, read the IMPORTANT SAFETY INSTRUCTIONS, Pages 4 and 5, before operating the washer.

Determine Proper Cycle

REGULAR

Use for sturdy items, like play or work clothes, towels, T-shirts, etc. The wash time selection will depend on the type of fabric and the amount of soil. For the best results when cleaning heavily soiled items, use a longer wash time (18 minutes maximum). Lightly soiled items require less wash time.

PERM PRESS

Use for permanent press items and synthetics. The wash time selection will depend upon the type of fabric and amount of soil.

This cycle automatically cools the temperature of the clothes before the washtub begins to spin and all the water is drained for the first time. When the washer stops agitating for the first time during the cycle, the washtub will spin slowly and part of the water will be drained out. When the washtub stops spinning, it will be re-filled to the original level with cold water. When the washtub is re-filled, it will agitate for a short time and then there will be a brief pause.

This series of events to cool down the fibers (to minimize wrinkling) will occur twice before the first time that all the water is drained out of the washtub and then the cycle will continue.

KNIT

Use this cycle to wash knit items. Read the garment manufacturer's care label first to determine if the item is machine washable. The wash portion of this cycle alternates between short periods of agitation and longer soak periods. This cycle also has one cool down cycle as described in the PERM PRESS cycle.

DELICATE

Wash delicate items usually washed by hand using this cycle. A full tub of water is recommended (even for small loads) to allow the delicate items to move freely through the water. More water helps reduce fabric wear, wrinkling, and provides for a clean wash. The wash portion of this cycle alternates between short periods of agitation and longer soak periods. This cycle also has one cool down cycle as described in the PERM PRESS cycle.

SOAK

Soak items which are heavily soiled or stained. More or less soaking time can be selected by pressing the SOIL LEVEL pad.

⚠ CAUTION

Even though washer may be set for warm wash, washer may fill with hot water only for periods of time. Take the necessary precautions to reduce the risk of serious burns.

To Wash Clothes

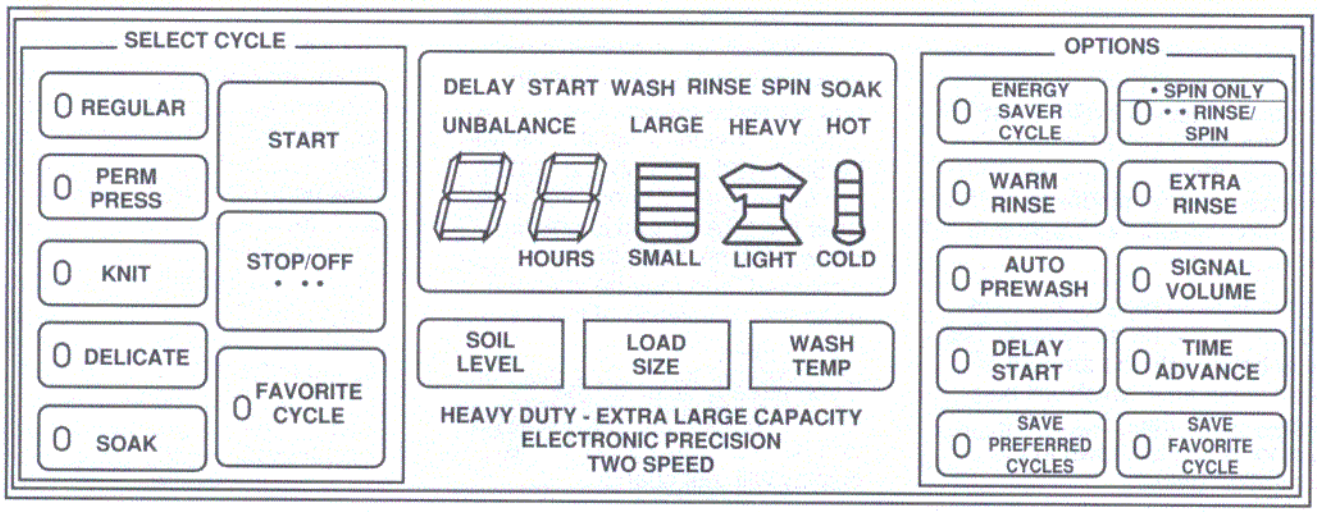
IMPORTANT: Before using your new washer, make sure the washer cord is plugged into a 120 Volt electrical outlet that has the proper grounding and polarity, that the washer hoses are connected to the hot and cold water faucets, and that the faucets are turned on. Be sure the drain hose is not kinked and is inserted into a drain.

IMPORTANT: Before using the washer for the first time, wipe out the inside of the washtub with a sudsy cloth.

1. Get the clothes ready for washing. Empty pockets and cuffs. Sort items into separate loads according to color or fabric type. Pretreat stains and heavily soiled areas.
2. Measure and add detergent into the washtub.
3. Add clothes loosely into the washtub. The bulk of the clothes rather than the weight will determine load size.
4. Close the loading door. The washer will not agitate or spin with the loading door open.

⚠ WARNING

To reduce the risk of serious injury, DO NOT by-pass the loading door switch by permitting the washer to agitate or spin with the loading door open. Do not use washer if it does not stop when loading door is opened or starts without pressing the START pad.



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5. Press one of the SELECT CYCLE pads to select a cycle which is appropriate for the type of fabric being washed. You may choose from REGULAR, PERM PRESS, KNIT, DELICATE or SOAK cycle. These are automatic cycles set at the factory or they may be programmed to hold a custom cycle (see PREFERRED CYCLES section). A light to the left of the pad lights up to show that pad has been activated.
6. Change the water level, wash time, or water temperature if so desired by pressing the SOIL LEVEL, LOAD SIZE or WASH TEMP pads. Select desired cycle options by pressing the various pads under the OPTIONS section.
7. Press the START pad to start the washer. Washer will start immediately and stop automatically when the cycle is finished. Fifteen (15) seconds after the START pad is pressed, the wording above and below the symbols in the display will turn off. When you touch any pad during the cycle, these words will once again light up for another 15 seconds.

NOTE: When you select a cycle, you will see a number light up in the display area. This number indicates the length of the agitate cycle (wash time). When the START pad is pressed, you will see the display change to a higher number. This higher number tells you the estimated length of the entire cycle from start to finish.

The washer will stop (pause) for a brief period of time before the wash and rinse spins.

SELECT CYCLE
Pressing a SELECT CYCLE pad once will display a preferred cycle if one has been saved. Pressing the pad a second time within three seconds will display the preset factory cycle settings. If a preferred cycle has not been saved, both pad depressions will display the preset factory cycle settings.

STOP/OFF
Pressing the STOP/OFF pad once stops an active cycle and the display will begin to flash. Pressing the STOP/OFF pad a second time within three seconds will turn the display completely off.

FAVORITE CYCLE
Press this pad to select your favorite cycle if one has been previously saved in memory. To save your favorite cycle, select the cycle and then select the settings and options you want to save. When finished, press the SAVE FAVORITE CYCLE pad under OPTIONS. Your favorite cycle will remain in the control memory as long as power is maintained. Should the washer be disconnected from its power source, your favorite cycle must be re-saved.

If no favorite cycle has been saved, pressing the FAVORITE CYCLE pad will display the REGULAR preset factory cycle settings.

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SOIL LEVEL

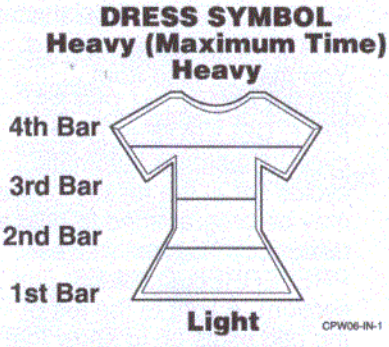
This pad will change the amount of agitate (wash) time for the currently selected cycle. Each time the SOIL LEVEL pad is pressed, the wash time will increase by one minute up to the maximum amount of wash time for each cycle.

As the time increases, the bars will light in the dress symbol. The table below lists the amount of cycle wash time which will be displayed for each bar of the symbol which is shown in the illustration below.

When the largest amount of time is displayed (all four bars of the dress symbol lighted), and the pad is pressed again, the smallest amount of wash time will be displayed and only the bottom bar of the dress symbol will be lit. After the START pad is pressed, the wash time may only be increased, and may be changed up to the completion of the first agitate cycle.

If you already selected the maximum wash time for the cycle and have pressed START, the display will not change.

SOIL LEVEL	1st BAR	2nd BAR	3rd BAR	4th BAR
REGULAR	7 - 9	10 - 12	13 - 15	16 - 18
PERM PRESS	5 - 7	8 - 10	11 - 13	14 - 16
KNIT	6 - 7	8 - 9	10 - 11	12 - 13
DELICATE	5 - 6	7 - 8	9 - 10	11 - 12
SOAK	15 - 25	30 - 40	45 - 55	60 - 70

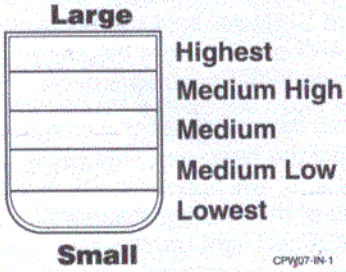


The preset factory soil level setting is the lowest time limit under the **2nd Bar** column in the table above (the first and second bars of the dress symbol will be lit).

LOAD SIZE

This pad allows you to set the water level that the washer will fill to. The load size may be changed up to the start of the final spin (as shown in the symbol below). Each press of the LOAD SIZE pad will increase the water one level. This will be displayed in the TUB symbol. Once the highest level has been reached and the pad is pressed again, the level will drop to the lowest level (the first bar of the TUB symbol). The preset factory water level setting for all cycles is the highest water level.

TUB SYMBOL



WASH TEMP

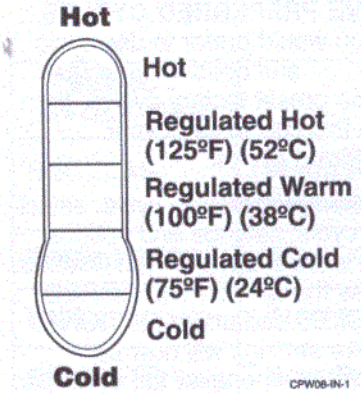
This pad is used to select the temperature of the wash water and may be changed while the washtub is filling with water.

The available temperatures are cold, regulated cold, regulated warm, regulated hot, or hot. These are indicated by bars of the thermometer symbol shown below.

The factory set water temperature for all cycles is regulated warm. Pressing the WASH TEMP pad will increase the water temperature to the next level. Once the hot water temperature has been reached (all five bars will be lit on the thermometer symbol) and the pad is pressed again, the cold water temperature will once again be displayed (the bottom bar of the thermometer symbol will be lit).

The temperature of the wash water for the knits and delicate cycles cannot be greater than regulated warm.

THERMOMETER SYMBOL



The regulated wash temperatures are obtained by turning both the hot and cold water valves on initially. During the fill, the hot or cold water valve will turn off, leaving only one valve on until the end of the fill. Therefore, the water entering the tub may be only hot or cold. This is normal operation.

STATUS WORDS

Words will light up in the display which will tell you what is happening inside the washer.

"Wash"
Lights up when the clothes are being agitated (washed).

"Rinse"
Lights up when the clothes are being rinsed.

"Spin"
Lights up when washer is in spin cycle.

"Soak"
Lights up when the washer is paused and the clothes are soaking.

"Unbalance"
Lights up when the washer loading door is opened while the clothes are spinning. This word will also light if the clothes are too heavy on one side of the tub causing the spin cycle to stop so that the clothes may be re-arranged in the tub.

Options

There are 10 options available on your washer.

ENERGY SAVER CYCLE

Once a cycle is chosen, this option pad automatically selects the COLD water temperature and the medium load size water level settings. Pressing the ENERGY SAVER CYCLE pad also disables the warm rinse, extra rinse, and auto prewash options. The ENERGY SAVER CYCLE option will prevent you from being able to change the wash water temperature and water level. The ENERGY SAVER CYCLE option may be cancelled by pressing any SELECT CYCLE pad. The ENERGY SAVER CYCLE option may NOT be selected with the SPIN ONLY and RINSE/SPIN cycles.

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WARM RINSE
This option pad changes the water temperature of the rinse water from the factory setting of cold to warm. This option may be cancelled until the tub has filled with rinse water by pressing the pad a second time.

NOTE: You may only select this option when using a regular cycle with a wash water temperature of regulated warm.

AUTO PREWASH
This option adds an extra wash cycle before the normal cycle begins and should be used for items which are heavily soiled or stained. Add detergent to the washtub and then add the clothes.

Fill the softener dispenser with liquid detergent diluted with water. Then detergent added to the washtub will be used during the AUTO PREWASH cycle and the liquid detergent in the softener dispenser will automatically be dispensed for use during the REGULAR or PERM PRESS cycle which follows the completion of the AUTO PREWASH cycle.

Long periods of agitation could damage delicate items and some knit items. Therefore, the washer has been programmed so it will not allow AUTO PREWASH to be used with the KNIT and DELICATE cycles.

IMPORTANT: Clean dispenser before and after using it to dispense detergent, see Page 8.

DELAY START
This option allows you to delay starting the washer from 15 minutes to 24 hours. Each press of the pad will increment time every 15 minutes up to one hour, and increment every hour from one to 24. Exceeding 24 hours will reset the delay start time to zero and will display the selected soil level time.

Once a cycle has been selected and a delayed start time chosen, add detergent and the clothes load into the washtub and press the START pad. If hours of delayed start were selected, the display will turn the word "HOURS" on for five seconds and off for five seconds.

The display will show the time selected and count down in one minute/one hour intervals. The control will continue to count down the delay time until it reaches zero, at which point the washer will display the entire cycle time and the wash cycle will start. The DELAY START may be cancelled any time by pressing the TIME ADVANCE pad.

SAVE PREFERRED CYCLES
If you would prefer to use cycle settings and options other than those preset factory cycles, then use this pad to save your preferred cycles.

To save a preferred cycle, select the cycle, settings and options you want to save. When finished, press the SAVE PREFERRED CYCLES pad under OPTIONS. These settings will now be activated whenever the cycle pad is selected.

If a preferred cycle has not been saved or if a cycle pad is pressed twice within three seconds, the default settings will be displayed. You can save one preferred cycle for each cycle for as long as electrical power is maintained to the control.

Should the washer be disconnected from the electrical power source for any reason, your preferred cycles must be re-saved after the electrical power is restored. You can not save delayed start times with your preferred cycles. The SAVE PREFERRED cycles option can not be used with the SPIN ONLY and RINSE/SPIN cycles.

SPIN ONLY/RINSE/SPIN
This is a two function option pad which allows a spin only cycle or a rinse and spin cycle. Press the pad once to select the spin only cycle and a "7" will appear in the digits area of the display and the word SPIN will light up. Press the START pad to begin the seven minute high speed spin cycle.

Press the pad a second time to select the rinse and spin cycle and a "5" will appear in the digits area of the display, the word RINSE will light up, the thermometer symbol will light up showing that a cold water rinse will be used, and the tub symbol will light showing the highest water level will be used. At this time, you may change the water level but not the temperature of the rinse water.

Press the START pad to begin a five minute rinse followed by a seven minute spin.

EXTRA RINSE
This option provides a second rinse in addition to the rinse cycle included in a wash cycle. If the WARM RINSE option has been selected, then both rinses will use warm water. An extra rinse can not be used with the SOAK, SPIN ONLY, or RINSE/SPIN cycles. You may add an extra rinse to a cycle until the first rinse fill is completed.

SIGNAL VOLUME
A signal is provided to let you know when the cycle is completed. The signal has three distinctive volume levels.

Pressing the SIGNAL VOLUME pad once will produce the softest tone. Press the pad again and the tone will get louder. Pressing the pad a third time will result in setting the loudest tone.

To turn the signal off, press the pad one more time after you reach the loudest tone and the SIGNAL VOLUME light will go out. The signal will not sound if the SIGNAL VOLUME light is off, except if there is a problem, such as an out of balance load.

NOTE: The signal volume selected for a previous cycle will remain the same until it is changed or turned off.

TIME ADVANCE
The TIME ADVANCE option pad removes time from the beginning of a selected cycle moving toward the end of the cycle. A cycle may be started at any point. The TIME ADVANCE pad moves you through a cycle slowly or quickly depending if the pad is pressed momentarily or pressed and held down. By watching the display words while pressing this pad you can see which area of the cycle you have advanced to.

Use the TIME ADVANCE pad by first selecting a cycle. Press the TIME ADVANCE pad one time and you will see the total cycle time displayed in the digits area of the display. Once again, press the pad and the cycle time will decrease by one minute.

If you press and hold down the pad, the cycle time will decrease quickly by one minute intervals. Release the TIME ADVANCE pad or stop pressing it when you have reached the desired cycle starting point.

Press the START pad to begin the cycle at the point you advanced to. If the washer is running and the TIME ADVANCE pad is pressed, the control will stop the washer to allow you to advance through the cycle. The START pad must once again be pressed to start or continue the cycle.

SAVE FAVORITE CYCLE
Pressing this pad will save your favorite cycle in the control memory as long as electrical power to the washer is maintained. See Page 10 for details.

ERROR SIGNALS
If an invalid selection is chosen, the two-digit display will indicate "Er" and the lowest volume signal will sound. The control will then display what was previously displayed before the invalid selection was made. Refer to the chart below for a listing of all invalid options per cycle.

SIGNAL ON PAD DEPRESSION
This feature turns the signal on at the lowest signal volume with each press of a pad. This feature is continuously active and can only be turned off by pressing the STOP/OFF and SIGNAL VOLUME pads at the same time while the display is completely off. Repeat this procedure to turn the pad signal back on.

CHILD GUARD
This feature disables all pads and displays "LO" (meaning Lock Out) in the two digit display. In this mode it is impossible for the washer to operate in any way. This feature can be activated by pressing the STOP/OFF pad and START pad at the same time while the display is completely off. Press the pads once again at the same time to cancel this feature. When the "LO" is turned off, the washer will function as normal.

CONTROL PANEL LIGHT
Your washer is equipped with a control panel light located on the control hood. This will provide additional light to your control panel and improve visibility of the controls in a dimly lit environment.

SELECT CYCLE PAD	INVALID OPTIONS
REGULAR	Warm Rinse (If Wash Temp is Cold, Regulated Cold, Regulated Hot or Hot)
PERM PRESS	Warm Rinse
KNIT	Auto Prewash, Warm Rinse
DELICATE	Auto Prewash, Warm Rinse
SOAK	Auto Prewash, Extra Rinse, Warm Rinse
ENERGY SAVER	Auto Prewash, Extra Rinse, Warm Rinse, Wash Temp
SPIN ONLY	Auto Prewash, Extra Rinse, Load Size, Soil Level, Wash Temp, Warm Rinse, Delayed Start, Energy Saver Cycle, Save Preferred Cycles, Save Favorite Cycles
RINSE AND SPIN	Auto Prewash, Extra Rinse, Soil Level, Wash Temp, Warm Rinse, Delayed Start, Energy Saver Cycle, Save Preferred Cycles, Save Favorite Cycles